



AGENDA MEMORANDUM

Action Item for the City Council Meeting of March 30, 2021

DATE: March 30, 2021

TO: Peter Zaroni, City Manager

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<p style="text-align: center;"><u>Construction Contract</u> Cefe Valenzuela Landfill Gas Collection and Control System Lifecycle Improvements Cells 1B and 1C</p>
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CAPTION:

Resolution rejecting the low bid of Thompson Construction & Consulting as non-responsive for failure to demonstrate the required experience by not filling out the Statement of Experience in the bid packet as a result of the company not having relevant experience in gas collection control system expansions and awarding a construction contract to Aptim Environmental & Infrastructure, LLC., Baton Rouge, Louisiana, to provide construction services for the expansion of the Cefe Valenzuela Landfill Gas Collection and Control System, located in Nueces County, in an amount not to exceed \$398,395.00, with FY 2021 funding available from Landfill Capital Fund.

SUMMARY:

This resolution rejects the low bid of Thompson Construction & Consulting and approves a construction contract for the new expansion of the Gas Collection and Control System (GCCS) into cells 1B and 1C at the Cefe Valenzuela Landfill. This project will consist of installing vertical landfill gas extraction wells, header/lateral collection piping and condensate collection, and removal systems. The lowest bidder failed to provide evidence of the required experience directly related to construction of GCCS of similar size and scope. Therefore, the contract was awarded to Aptim Environmental & Infrastructure, LLC

BACKGROUND AND FINDINGS:

The Cefe Valenzuela Landfill is a municipal landfill, owned and operated by the City of Corpus Christi. The landfill is located in Nueces County near Petronila, Texas which is approximately 17

miles southwest of downtown Corpus Christi. The purpose of a landfill GCCS is to help manage odor and minimize gas releases into the atmosphere generated from the waste during decomposition. This is essential to manage the potential for public health impacts. The landfill currently contains an existing GCCS which was installed in 2017 and consists of a blower/flare facility, vertical extraction wells, and associated piping and condensate management system. The landfill is divided into 12 cells that vary in size, where waste is placed. Cells are partitions of the landfill of which waste is disposed into. There are currently seven active cells and the landfill will eventually have 12 cells at maximum waste capacity. Four of seven active cells have a GCCS installed and this item will expand installation of a GCCS to cells 1B and 1C. The Cefe Valenzuela Landfill, cells 1B and 1C, are required by the Environmental Protection Agency's Federal New Source Performance Standards to have a GCCS fully constructed and operational by June 1, 2021. Waste within cells 1B and 1C will meet the five-year timeline requirement for installation this year. This project is for the installation of the GCCS within cells 1B and 1C, at Cefe Valenzuela Landfill to be connected to the existing GCCS. This project will consist of installing vertical landfill gas extraction wells, header/lateral collection piping and condensate collection, and removal systems.

If the gas system is not expanded, the City will be deemed in violation of Federal and State regulations to control landfill gas emissions and in violation of the landfill's air permit. The violations would be reported to the Texas Commission on Environmental Quality and the City would be subject to penalties and be required to expand the gas system to operate the landfill.

PROJECT TIMELINE

2020												2021			
J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	APRIL-MAY
Design											Bid/Award		Construction		

Project schedule reflects City Council award in March 2021 with construction commencing April 2021. The anticipated completion is May 2021.

COMPETITIVE SOLICITATION PROCESS:

The Contracts and Procurement Department issued a Request for Bids for the proposed Cefe Valenzuela Landfill Gas Collection and Control System Lifecycle Improvements Cells 1B and 1C project. Bidders must have operated continuously for a minimum of five years as an established firm in providing landfill gas collection & control systems and list five similar projects, equal or greater magnitude (construction dollars or scope). On February 3, 2021, the City received bids for the project as provided below:

CONTRACTOR	BASE BID
Aptim Environmental & Infrastructure, LLC	\$398,395
Thompson Construction & Consulting Inc	\$387,098*
American Environmental Ltd.	\$522,450

*The lowest bidder was deemed non-responsive.

The lowest bidder failed to provide evidence of the required experience directly related to construction of GCCS of similar size and scope. Therefore, the contract was awarded to Aptim Environmental & Infrastructure, LLC, Baton Rouge, LA. This is the first time Aptim will be working

for the City. Aptim has experience directly related to landfill gas collection and control systems at a size/cost in excess or comparable to the City's requirement.

ALTERNATIVES:

The alternative is to not award the construction contract to Aptim Environmental & Infrastructure, LLC. This option would not provide for improved safety nor meet the Federal regulation mandating installation of new Gas Collection Control System in new cells within five years of initial waste placement at the Cefe Valenzuela Landfill.

FISCAL IMPACT:

The fiscal impact in FY 2021 is an amount of \$398,395.00 with funding available from the Landfill Capital Fund. The expenditures shown in the CIP reflect estimates prior to completion of the engineer's opinion of probable construction cost. The CIP fund has sufficient monies to cover the additional \$83,395.00 required for project completion. To date, FY 2019 and 2020 expenditures total \$86,126.26, therefore the CIP will be updated to reflect the available funds for this project.

FUNDING DETAIL:

The Capital Improvement Program (CIP) shows that the project is planned for FY 2021. The project is ready to be implemented and the expenditures shown reflect the CIP.

Fund: **Landfill2018TCO (Fund 3369)**
Mission Elem: Maintaining Solid Waste Facilities (031)
Project No.: Cefe Valenzuela Landfill Gas Collection & Control System (19077A): Please reference project E16289 in the FY 2020-2021 Capital Budget.
Account: Construction (550910)
Activity: 19077-A-3369-EXP
Amount: \$398,395

RECOMMENDATION:

Staff recommends awarding a construction contract to Aptim Environmental & Infrastructure, LLC. for the new expansion of the Gas Collection Control System into cells 1B and 1C, located at the Cefe Valenzuela Landfill with the construction duration planned for 45 days from issuance of the Notice to Proceed to begin construction in April 2021.

LIST OF SUPPORTING DOCUMENTS:

Resolution
Bid Tab
Contract
Location and Vicinity Maps
CIP Page